The Sample code，

Command Flow (Use Vendor command)

1. Open card Power

2. Over Current Detect Enable

3. Close Card Power

4. Detect Over Current

5. Clear Over-Current register

```
If(OverCurrent==True)
{
    Clear Over Current Detect
}
else
{
    Power_On();
}
```

Step

Step 1: Send vendor command to turn on smart card's power (This command will not include "Get ATR".)

(6b 08 00 00 00 Slot-RFU Seq-RFU RFU RFU RFU 40 c6 04 12 20 01 1b 00)➔ for 5V power
(6b 08 00 00 00 Slot-RFU Seq-RFU RFU RFU RFU 40 c6 04 12 20 01 15 00) ➔ for 3.3V power
(6b 08 00 00 00 Slot-RFU Seq-RFU RFU RFU RFU 40 c6 04 12 20 01 14 00) ➔ for 1.8V power

Step 2: Open RS232 over current's Vendor command
(6B 08 00 00 00 Slot-RFU Seq-RFU RFU RFU RFU 40 C6 04 FF 20 01 05 00) that open RS232 over current

Step 3: Host send vendor command to turn off power.
(6b 08 00 00 00 Slot-RFU Seq-RFU RFU RFU RFU 40 c6 04 12 20 01 0b 00)

Step 4: Check over current status's Vendor command
(6B 08 00 00 00 Slot-RFU Seq-RFU RFU RFU RFU 40 C6 00 14 20 01 00 00) to check that over current situation is happen or not.
If over current situation is not happen, Host will receive command from Smart Card reader
(83 01 00 00 00 Slot-RFU Seq-RFU RFU RFU RFU 0X)
If over current situation is happen, Host will receive command from Smart Card reader.
(83 01 00 00 00 Slot-RFU Seq-RFU RFU RFU RFU 1X)

Step 5: Clear over current register command
(6b 08 00 00 00 Slot-RFU Seq-RFU RFU RFU RFU 40 c6 04 14 20 01 08 00)

Step 6:
If smart card reader doesn't have over current situation, Host sends power on command.
If smart card reader have over current situation, Host do not send power on command..